Customer Service BULLETIN

Severity Level: Medium

Customer Service Bulletin	**24183**
Title	**Package update XCU UXF**
Date	**2021-09-14**
Product	**XCU UXF**
Product Version	**All**

Overview

System parts involved:

- XCU UXF Universe/Enterprise   **V16**   Package_XCU UXF_392240765131_16

Overall Message

Main new functionality:

Add ST2110-30 / ST2110-20 / ST2022-6 receiver failover for primary and secondary network interface.

Note:
All outgoing IP streams are according to 2022-7 standard.
Return video and intercom return are not switching seamless like 2022-7.
When the main network fails, the secondary network immediately takes over (and visa versa). This we call "fail-over". If at that moment the return video is visible in the viewfinder, a short flash of 2 frames will be seen, and also on intercom a short "disturbance" can be heard.

New functionality:

- Add ST2110-30 / ST2110-20 / ST2022-6 receiver failover for primary and secondary network interface.
  - Support for video/audio/intercom fail-over control in Camera Connect and XCU-menu.
  - Added diagnostics for incoming streams of redundant port B.
- Updated support for NMOS IS-04 and IS-05:
  - NMOS Device ID, unique group hint tags.
  - Support for video/audio/intercom fail-over in SDP and IS-04/05
  - Individual on/off control for outgoing/incoming streams on port A and port B.
  - Added stream Enabling/Disabling using Nmos.
  - Use XCU name and number of identity Nmos node and device.

- Accept all HDR Curves and ColorSpaces from LDX100.
- C2IP network settings visible in Camera Connect V1.67 as diagnostics.

Problem solved in XCU UXF:

- Sometimes no Teleprompter video available if the teleprompter source is HD/3G video (IP or BNC).
- Fix for white dots in received IP streams from the IQ-UCP gateway card.
- Wrong input source with output BNC-D in 1080p300 and HDR gives distorted picture.
- Live source shows incorrect video type.
- Skin view/Color view on monitoring output in 4K@HDR system video mode was noisy (HD-live = "HDR").
- VPID improvements:
  - VPID's for color-space and bit-range in HD-live outputs wrong.
  - VPID for 720P SDI outputs are updated according to SMPTE 292-1 table 4.
- SDP improvements:
  - SDP has wrong info for Main streams in UHD / 2SI mode.
  - Local Mac-address is 0 in SDP file, not the correct value.
  - A number of typo corrections in SDP file.
  - Changes of SFP ip address are not reflected in SDP files.
  - Video mode information for 1080psf24 is incorrect in SDP file.
  - GM id is not updated in SDP when another GM is selected on the same interface.
- NMOS improvements:
  - NMOS Flow info not updated correctly.
  - 'Grouphint Tag' text info was wrong.
  - Changed "Ext3" receiver in "TP" receive stream in Nmos IS-04.
- PTP improvements:
  - PTP is going out of lock when secondary link is failing.
  - PTP BMCA fails when switching to lower priority grandmaster.

Known issues:

Note:
Improvements and issue solutions known, but work is in progress or planned for next release:

- Manual IP settings are not restored after switching from auto IP to manual IP.

Note:

- After update to package 16, it is required to check the IP settings for the input and output IP media streams, some streams may be turned off or changed in the user interface because of changed functionality.
- Please use the latest MCP450 / CCS-One camera connect software (v1.67 or higher). Otherwise some IP stream configuration settings may not be available or work improperly.

XCU UXF eXchangable Control Unit

After updating the package, the status of the XCU UXF becomes:

Package_XCU UXF_392240765131_16

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Linux Platform	522-00034-01	3922 407 65161	00.19
Application Software	522-00034-01	3922 407 65171	16.00
Transmission Software	522-00034-01	528-00014-01	03.20
User Interface SW	3922 406 57441	3922 407 64691	00.16
GEB Image 1 FW	522-00034-01	528-00015-01	01.51
GEB Image 2 FW	522-00034-01	528-00016-01	01.51
GEB Image 3 FW	522-00034-01	504-00014-01	01.51
GEB Image 4 FW	522-00034-01	12-00137-000	01.51
GEB Image SW 1-4 (tx)	522-00034-01	3922 407 65181	00.20
GEB Image SW 1-4 (Ctrl)	522-00034-01	3922 407 65191	00.33

Contacts

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